

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the Application.

1. (Currently Amended) An x-ray tomograph, comprising
an x-ray generator having a function of moving a focal position and radiating x-rays toward a subject, the X-ray generator being fixed;
a planar X-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved, the planar X-ray image receiving element being fixed; and
an x-ray image receiving element for receiving a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved; and
an image processing section for creating configured to create a tomographic image by processing the plurality of transmission images of the subject received by the x-ray image receiving element,
wherein the subject is fixed between the x-ray generator and the planar X-ray image receiving element and the X-ray generator has a radiation plane which is parallel to the planar X-ray image receiving element and the focal position of the X-ray generator is rotatable on a circumference on the radiation plane.

2. (Currently Amended) The x-ray tomograph according to claim 1,
wherein the x-ray generator is configured to make the focal position movable on a circumference; and
wherein the image processing section accumulates the transmission images of the subject corresponding to individual focal positions of the x-ray generator to create an accumulated image and extracts pixels having a brightness value of the accumulated image between a prescribed upper limit threshold value and a lower limit threshold value to create [[a]] the tomographic image.

3. (Currently Amended) The x-ray tomograph according to claim 1, wherein the image processing section creates wherein it is configured to create the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.

4. (Currently Amended) A stereoradioscopic image constructing equipment, comprising:

an x-ray tomography including:

an x-ray generator having a function of moving a focal position and radiating x-rays toward a subject, the x-ray generator being fixed;

a planar x-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the x-rays radiated from the x-ray generator while the focal position is moved, the planar x-ray image receiving element being fixed; and

an x-ray image receiving element for receiving a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved;

an image processing section for creating configured to create a tomographic image by processing the plurality of transmission images of the subject received by the x-ray image receiving element; [[and]]

wherein the subject is fixed between the x-ray generator and the planar x-ray image receiving element and the x-ray generator has a radiation plane which is parallel to the planar x-ray image receiving element and the focal position of the x-ray generator is rotatable on a circumference on the radiation plane; and

a stereoradioscopic image constructing section for creating configured to create a stereoradioscopic image by processing the plurality of tomographic images obtained by the x-ray tomograph.

5. (Original) The stereoradioscopic image constructing equipment according to claim 4,

wherein the stereoradioscopic image constructing section corrects geometrical enlargement ratios of the plurality of tomographic images obtained by the x-ray tomograph and combines the corrected tomographic images to create a stereoradioscopic image.

6. (Currently Amended) The x-ray tomograph according to claim 2, wherein ~~it is configured to create~~ the image processing section creates the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.